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Revised 10/04

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00471 RF 04

DUE DATE  
ACTION



Department of Energy

ROCKY FLATS PROJECT OFFICE  
10808 HIGHWAY 93, UNIT A  
GOLDEN, COLORADO 80403-8200

OCT 12 2004

04-DOE-00762

DIST.	LTR	ENC
BERARDINI, J.H.	X	X
BOGNAR, E.S.	X	X
BROOKS, L.	X	X
BUTLER, L.	X	X
CARPENTER, M.	X	X
CIUCCI, J.A.		
CROCKETT, G. A.		
DECK, C. A.	X	X
DEGENHART, K. R.	X	X
DEL VECCHIO, D.	X	X
DIETER, T. J.		
FERRERA, D. W.	X	X
GIACOMINI, J. J.		
LINDSAY, D. C.	X	X
LONG, J. W.		
LYLE, J. L.		
MARTINEZ, L. A.	X	X
NAGEL, R. E.	X	X
NESTA, S.	X	X
NORTH, K.	X	X
SHELTON, D. C.	X	X
SPEARS, M. S.	X	X
TUOR, N. R.	X	X
WIEMELT, K.	X	X
WILLIAMS, J. L.		
ZAHM, C.	X	X
Foss, D.	X	X
Gibbs, F.	X	X

Mr. Steven H. Gunderson  
Rocky Flats Cleanup Agreement Project Coordinator  
Colorado Department of Public Health and Environment  
4300 Cherry Creek Drive South  
Denver, Colorado 80246-1530

Dear Mr. Gunderson:

In accordance with the Rocky Flats Cleanup Agreement (RFCA) Standard Operating Protocol (RSOP) for Facility Disposition, this letter and its enclosures is notification for RSOP implementation of Building 451. This notification will utilize a combined RSOP strategy for demolition:

- > The portions of the building that meet unrestricted release will be demolished in accordance with the *RSOP for Facility Disposition*.
- > The portions of the building that do not meet unrestricted release will be removed in accordance with the *RSOP for Component Removal, Size Reduction, and Decontamination Activities, Section 3.8*. The six point analysis will be addressed by contact record as it is combined with Building 447.
- > The slab will remain in place and protected until the entire building has been demolished; the slab will be removed in accordance the *RSOP for Environmental Remediation*.

The Reconnaissance Level Characterization Report for Building 451 was submitted to the Colorado Department of Public Health and Environment (CDPHE). The Pre-Demolition Survey Report was submitted to CDPHE on November 21, 2002. Building 451 has been determined to be a Type 2 facility due to radiological contamination in excess of the uranium Derived Concentration Guide and widespread beryllium (Be) contamination in the first filter stage. A fixative has been applied to the Be remaining in the building to reduce the Be potential for release during demolition. The Utility Room and south-side of the second filter stage of Building 451 meet free release criteria. Fixed radiological contamination remains in the demister, first filter stage, and north side of the second filter stage. These portions of the building will undergo demolition with residual radiological contamination. Enclosed is a description of work and schedule

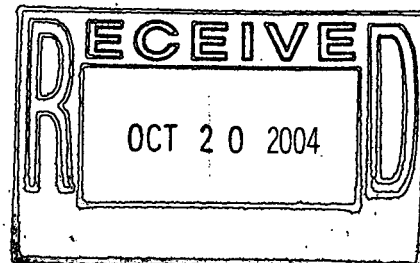
COR. CONTROL	X	X
ADMIN. RECORD	X	X
PATS/130		

Reviewed for Addressee  
Corres. Control RFP

10/20/04  
Date By

Ref. Ltr. #  
04BFC00980

DOE ORDER #  
5400.1



This notification dealing with this work will be conducted by Kaiser-Hill Company, LLC (K-H). The requirements, methods, controls, and processes outlined in the RSOP will be followed. This work will be conducted in accordance with the work control documentation

ADMIN RECORD

B444-A-000089

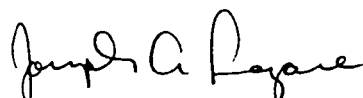
Mr. Steven H. Gunderson  
04-DOE-00762

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OCT 12 2004

prepared by K-H and its subcontractor. The exact methods and process and progress of the activities will be communicated through the consultative process. A schedule for this work is enclosed.

Questions may be directed to Gary P. Morgan at (303) 966-6003.



Joseph A. Legare, Director  
RFPO Project Management

Enclosure

cc w/o Encl.:

F. Gibbs, K-H RISS  
S. Nesta, K-H RISS D&D  
D. Foss, K-H RISS D&D  
M. Aguilar, USEPA

cc w/Encl.:

F. Lockhart, OOM, RFPO  
G. Morgan, HQCPM, RFPO  
Administrative Record

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2004 SEP 28 A 6:46

CORRESPONDENCE  
CONTROL



SEP 23 2004

04-RF-00980

Gary Morgan, Functional Lead  
Cadre Project Management Division  
DOE, RFPO

RSOP FOR FACILITY DISPOSITION NOTIFICATION LETTER FOR BUILDING 451  
FEG-030-04

Attached is a draft transmittal letter to the Colorado Department of Public Health and Environment for the RSOP notification for Building 451 facility disposition. The draft transmittal letter has been prepared from DOE building point of contact to CDPHE building point of contact; however, it could also be addressed from DOE RFCA coordinator to CDPHE RFCA coordinator.

Please contact Steve Nesta X6386 with questions or concerns.

Frank E. Gibbs  
Deputy Project Manager  
Remediation, Industrial D&D, and Site Services

SMN:pvt

Attachment:  
As Stated

Orig. and 1 cc - Gary Morgan

cc:  
Joe Legare

David Kruchek  
Colorado Department of Health and Environment  
4300 Cherry Creek Drive South  
Denver, CO 80222-1530

**RSOP FOR FACILITY DISPOSITION NOTIFICATION LETTER FOR BUILDING 451**

Mr. Kruchek:

In accordance with the Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Facility Disposition, this letter and its attachments is notification for RSOP implementation. This notification is for all activities required to demolish and disposition Building 451.

The Reconnaissance Level Characterization Report for Building 451 was submitted to CDPHE, and received official concurrence on 11/21/02. Building 451 has been determined to be a Type 2 facility due to radiological contamination in excess of the uranium DCGL<sub>w</sub> and widespread Be contamination in the 1<sup>st</sup> filter stage. A fixative has been applied to the Be remaining in the building to reduce the Be-potential for release during demolition. The Utility Room and south-side of the 2<sup>nd</sup> filter stage of Building 451 meet free release criteria. Fixed radiological contamination remains in the demister, 1<sup>st</sup> filter stage, and north side of the 2<sup>nd</sup> filter stage. These portions of the building will undergo demolition with residual radiological contamination.

This work will be conducted by Kaiser-Hill Company, L.L.C (K-H). The requirements, methods, controls, and processes outlined in the RSOP will be followed. This work will be conducted in accordance with the work control documentation prepared by K-H and its subcontractor. The exact methods and process and progress of the activities will be communicated to DOE/LRA through the consultative process. A schedule for this work is attached.

As indicated in the RSOP, the LRA has 14 days to review the RSOP notification letter and provide feedback, including a definitive reason for not proceeding with the project. If no feedback is received within 14 days, the project will proceed as planned.

If you have any questions regarding this, please contact me at (303) 966-6003.

Gary Morgan  
U.S. Department of Energy

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## DESCRIPTION OF PLANNED ACTIVITIES

### Facility Description and Scope of Demolition

Building 451 is a 2780-sq. ft. two-stage HEPA filter plenum located south of Building 447. The filter plenum was constructed in 1983 and provided ventilation to Buildings 447 and 448.

Building 451 is a single-story steel-framed building constructed on a concrete slab. The walls and roof are constructed of corrugated steel, with several marine-type airtight access doors.

Building 451 was serviced by the following utilities: water and electric. Fire suppression is provided by overhead sprinkler system.

Demolition of the structure will be executed by heavy equipment. The demolition equipment will begin on the south side of the building and proceed northward. Efforts will be made, if possible, to ensure that debris falls within the building footprint. The demolition will commence with the utility room and south-side of the 2<sup>nd</sup> filter stage starting from the southwest side of Building 451. Debris from this portion of the demolition will be managed at a non-routine sanitary waste and disposed at an RFETS approved landfill (Front Range or BFI - Commerce City). The north side of the 2<sup>nd</sup> filter stage, the 1<sup>st</sup> filter stage, and demister portions of Building 451 will undergo demolition with residual radiological contamination. Debris from this portion of the demolition will be managed as low level waste and disposed at Enviorcare of Utah. The Building 451 slab did not come into direct contact with the building's interior as Building 451 had a separate metal floor. However, post demolition beryllium and radiological surveys will be performed and used to determine an appropriate disposal path for the slab. If survey results are acceptable, the Building 451 slab will remain in place, as it is four (4) feet below final grade.

### Pre-Demolition Survey Report (PDSR)

During the RLC, radiological survey results indicated that radiological Contamination in excess of the-uranium DCGL<sub>w</sub> was present throughout the demister and 1<sup>st</sup> and 2<sup>nd</sup> filter stages of building 451. Also, surveys identified beryllium (Be) contamination throughout the facility. The Be and uranium contaminated areas of the utilities room and 2<sup>nd</sup> filter stage (south-side) have been decontaminated and/or removed under implementation of the Facility Component Removal, Size Reduction, and Decontamination Activities RSOP. The demister, 1<sup>st</sup> filter stage, and north side of the 2<sup>nd</sup> filter stage will undergo demolition with residual radiological contamination. A Pre-Demolition Survey report (PDSR) has been prepared that verifies the effectiveness of the decontamination for the utilities room and south side of the 2<sup>nd</sup> filter stage of building 451. Also, the PDSR establishes that no removable beryllium or radiological contamination is present in the demister, 1<sup>st</sup> filter stage, and north side of the 2<sup>nd</sup> filter stage of the facility. The PDSR establishes the building as being ready for demolition and is being submitted concurrently with this RSOP notification.

### Project-specific Administrative Record File Index Attached

### Deviations or Exceptions to the to the RSOP None

### Level One Schedule for Project Implementation Attached

### Point of Contact

The principle point of contact for this project is Karl Shuler, (303) 966-3423.

Activity ID	Activity Description	% Comp	Orig Dur	Rem Dur	Current Early Start	Current Early Finish	FY04							FY05						
							SEP							OCT						
							8	9	12	19	27	4	11	18	25	1	8	15		
<b>447 - Demolition of existing Bldg</b>																				
1EDD447A31	B447 Apply Fixatives	100	3	0	13SEP04A	20SEP04A														
1EDD447A21	B447 Utility Disconnects	100	2	0	16SEP04A	20SEP04A														
1EDD447A1	B447 Demo Permit Approved	0	1	1	23SEP04*	23SEP04														
1EDD447A11	B447 Demo Mobilization	0	1	1	27SEP04	27SEP04														
1EDD447A41	B447 Demolish Building	0	5	5	28SEP04	04OCT04														
1EDD447A51	B447 Loadout Debris	0	8	8	05OCT04	15OCT04														
1EDD447A61	B447 Demobilize Site	0	2	2	18OCT04	19OCT04														
<b>451 - Filter Plenum Bldg (Site 447) for B417</b>																				
1EDD451A1	B451 Demo Permit Approved	100	1	0	16SEP04A	20SEP04A														
1EDD451A21	B451 Utility Disconnects	100	2	0	16SEP04A	20SEP04A														
1EDD451A31	B451 Apply Be Fixatives	100	3	0	17SEP04A	20SEP04A														
1EDD451A11	B451 Demo Mobilization	0	1	1	27SEP04*	27SEP04														
1EDD451A41	B451 Demolish "cold" portion Filter Plenum	0	2	2	28SEP04	29SEP04														
1EDD451A71	B451 Loadout "cold" portion Filter Plenum	0	2	2	30SEP04	01OCT04														
1EDD451A81	B451 Demo "contaminated" portion Filter Plenum	0	3	3	04OCT04	06OCT04														
1EDD451A51	B451 Loadout "contaminated" portion Fltr. Plenum	0	3	3	07OCT04	12OCT04														
1EDD451A61	B451 Demobilize Site	0	2	2	13OCT04	14OCT04														

Start Date: 01FEB99

Finish Date: 03APR08

Data Date: 20SEP04

Run Date: 20SEP04 13:31

CPBA - RISS

Industrial Complex/Site Services Pro

84471451 FP Demolition Schedule

September 2004

Sheet 1 of 1

Date	Revision	check	approve

Early Bar
  Progress Bar

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ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE  
CERCLA ADMINISTRATIVE RECORD - GENERAL QUERYPage: 1 of 3  
Report Date: 22-SEP-04

There are 12 records in this set and a total of 516 pages.

Doc. No. / Date	Routine	Internal Code	Title / Subject
<b>B444 A 000001</b> 11/01/1998 146 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> JOHNSTON, B. MATHIS, BRIAN W. WOLTEMATH, J.	RF/RMRS-98-294 <u>Recipient(s)</u> NOT INDICATED	444 Cluster Removal Project, Project Execution Plan (PEP) Initial Issue: Hazards Reduction, Revision 0 effective December 1, 1998. The Cluster Closure Project includes complete demolition and removal of the remaining 13 facilities in the cluster. The purpose of the B444 Cluster Removal Project is to support the site mission of safely closing all facilities and operable units in a short amount of time and to reduce landlord costs. Fixed Price with Economic Price Adjustment (FPEPA)
<b>B444 A 000004</b> 02/18/1997 17 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> MCANDREW, WILLIAM J.	WJM-006-97 <u>Recipient(s)</u> EVANS, BEN L.	Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits the Plan for Safe Shutdown of Building 444 Cluster dated February 1997, Revision 0, to Kaiser-Hill Company, L.L.C. (K-H).
<b>B444 A 000007</b> 03/05/2002 2 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FREIBOTH, C. J.	N/A <u>Recipient(s)</u> HINDMAN, JAMES	Purpose of Contact: Building 444 Complex Scoping Meeting Minutes. The complex includes Buildings 427, 427A, 444, S444, 445, 447, 448, 449, 449A, 449C, S449, 450, 451, 453, 454, 455, and 457. Kaiser-Hill Company, L.L.C. (K-H) projected that Buildings 444, 447, 448, 450, 451 and 455 will be Type 2 facilities and the remainder being Type 1. The Colorado Department of Public Health and Environment (CDPHE) projects that, Building 444 and 447 might be a Type 3.
<b>B444 A 000010</b> 10/09/2002 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> LEGARE, JOSEPH A.	02-DOE-01524; 00692-RF-02 <u>Recipient(s)</u> GUNDERSON, STEVE	Forwards the attached [000014] Reconnaissance Level Characterization Report (RLCR) for Buildings 444, 445, 447, 448, 450, 451 and 455. These buildings are determined Type 2 facilities due to the moderate to mild depleted Uranium (U) and Beryllium (Be) contamination in accordance with the Decommissioning Program Plan (DPP) and this determination is submitted for Lead Regulatory Agency (LRA) concurrence.

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE  
CERCLA ADMINISTRATIVE RECORD - GENERAL QUERYPage: 2 of 3  
Report Date: 22-SEP-04

There are 12 records in this set and a total of 516 pages.

Doc. No. / Date	Routine	Internal Code	Title / Subject
<u>B444 A 000012</u> 11/14/2002 2 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> GUNDERSON, STEVE	00804-RF-02 <u>Recipient(s)</u> LEGARE, JOSEPH A.	The Colorado Department of Public Health and Environment (CDPHE) has reviewed the Reconnaissance Level Characterization Report (RLCR) for the Building 444 Cluster Closure Project. Revision 0 dated September 5, 2002. In accordance with the Section 3.3.4 of the Decommissioning Program Plan (DPP), the Division concurs with the determination that Buildings 445, 448, 450, 451 and 455 are Type 2 facilities. They agree that most of Buildings 444 and 447 are Type 2, however their concurrence is subject to Divisor approval of work packages prior to conducting work and the following items are listed along with the CDPHE comments on the RLCR.
<u>B444 A 000013</u> 09/12/2002 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> FERRERA, DENNIS W.	02-RF-01958; DWF-080-02 <u>Recipient(s)</u> TOWER, STEVE	Submits the attached [000014] Reconnaissance Level Characterization Report (RLCR) 444 Cluster Closure Project, Buildings 444, 445, 447, 448, 450, 451 & 455, Revision 0 dated September 5, 2002 for review and approval.
<u>B444 A 000014</u> 09/05/2002 328 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> NOT INDICATED	Ref: 02-RF-01958; DWF-080-02 <u>Recipient(s)</u> DISTRIBUTION	Reconnaissance Level Characterization Report (RLCR) 444 Cluster Closure Project, Buildings 444, 445, 447, 448, 450, 451, and 455, Revision 0 September 5, 2002 [Type 2]- This report characterizes the physical, chemical and radiological hazards associated with these facilities, summarizes the characterization activities, defines the Data Quality Objectives (DQOs) developed for this characterization, and presents the data quality assessment, verification and validation of results.
<u>B444 A 000032</u> 01/14/2003 7 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> GIBBS, FRANK E.	03-RF-00056; FEG-002-03 <u>Recipient(s)</u> TOWER, STEVE	Encloses a draft transmittal letter to the Colorado Department of Public Health and Environment (CDPHE) for the Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) Notification for Building 444 Cluster Closure Project, Buildings 444, 445, 447, 448, 450, 451, and 455 Component Removal, Size Reduction and Decontamination.

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE  
CERCLA ADMINISTRATIVE RECORD - GENERAL QUERY

There are 12 records in this set and a total of 516 pages.

Doc. No. / Date	Routine	Internal Code	Title / Subject
<u>B444 A 000035</u> 01/30/2003 10 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> DISALVO, RICHARD	03-DOE-00066; 00062-RF-03 <u>Recipient(s)</u> GUNDERSON, STEVE	Forwards the enclosed Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Component Removal Notification Form for Building 444 Cluster, which includes 444, 445, 447, 448, 450, 451 and 455. This letter and its enclosures are notification for RSOP implementation.
<u>B444 A 000044</u> 03/06/2003 1 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> GUNDERSON, STEVE	00261-RF-03; Ref: 03-DOE-00066; 00062-RF-03 <u>Recipient(s)</u> DISALVO, RICHARD	The Colorado Department of Public Health and Environment (CDPHE) agrees with utilization of the Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Facility Component Removal, Size Reduction, and Decontamination Activities for Buildings 444, 445, 448, 450, 451 and 455.
<u>B444 A INFO</u> 01/01/1900 1 Pages PUBLIC	YES, ROUTINE N/A <u>Author(s)</u> NOT INDICATED	<u>Recipient(s)</u> ADMINISTRATIVE RECORD	Information Only Entry: The Building 444 Cluster Closure Project involves the following buildings: 427, 444, 445, 447, 448, 449, 450, 451, 453, 454, 455, and 457. Buildings 427A and T444A were originally part of the Cluster but were previously removed. Part of all of the following Individual Hazardous Substance Sites IHSS are within the area of this Cluster: 116.1, 121, 136.2, 157.2, 189, 208, 116.2, 136.1, 147.1, 182.0, and 207. UBC-444, "Under Building Contamination Bldg. 444" is also within the area of the Cluster; there are 11 Resource Conservation Recovery Act (RCRA) Units.
<u>1A A INFO</u> 09/05/2002 0 Pages PUBLIC	YES, ROUTINE <u>Author(s)</u> RISS, D&D GROUP	Ref: B444-A-000014; 02-RF-01958; DWF-080-02 <u>Recipient(s)</u> DISTRIBUTION	Information Only Entry: RISS / 444 Cluster Facility Characterization Historical Site Assessment (HSA) Report, January 1, 2002 - Building 451 is a two stage HEPA Filter Plenum located south of Building 447. The filter plenum was constructed in 1983 and provides ventilation to Buildings 447 and 448.